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### IN THE CLAIMS

1. (Currently Amended) A medical system comprising:
  - an ~~IMD~~ implantable medical device including a connector bore, the connector bore having an inner surface;
  - a lead connector including a ~~linear array~~ plurality of lead connector elements;
  - ~~an assembly~~ a plurality of elongated insulated conductors;
  - an ~~array~~ plurality of lead electrodes, each electrode of the ~~array~~ plurality of lead electrodes coupled to a corresponding connector element of the ~~array~~ plurality of connector elements via the ~~assembly~~ plurality of elongated insulated conductors; and
  - ~~a plurality of adapters, each adapter comprising:~~
    - ~~an~~ a first adapter, extending from a first proximal end to a first distal end, having a first internal surface forming a first lumen adapted to engage the array of lead connector elements and including to receive the lead connector positioned within the first adapter and a first electrical contact zone element positioned along the first inner surface at a first distance from the first proximal end for electrically coupling with a one of the array first lead connector element of the plurality of lead connector elements when the array is engaged lead connector is positioned within the first lumen, the first adapter including a first insulative layer extending along the first inner surface to prevent electrical coupling of other than the first lead connector element; and
    - a second adapter extending from a second proximal end to a second distal end, having a second internal surface forming a second lumen to receive the lead connector positioned within the second adapter and a second electrical contact element positioned along the second inner surface at a second distance from the second proximal end for electrically coupling with a second lead connector element of the plurality of lead connector elements other than the first lead connector element when the lead connector is positioned within the second lumen, the second adapter including a second insulative layer extending

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along the second inner surface to prevent electrical coupling of other than the second lead connector element, wherein the first distance is not equal to the second distance, wherein each of the first adapter and the second adapter include a respective an external surface adapted for engagement within to engage the inner surface the connector bore, of the IMD and the respective external surfaces including a first conductive surface electrically coupled to the corresponding first and second electrical contact zone and adapted for electrical connection element to electrically engage the corresponding first and second electrical contact element within the connector bore;

wherein, the one of the array of connector elements corresponds to a selected electrode of the array of lead electrodes.

2. (Currently Amended) The medical system of claim 1, wherein the external surface ~~of each of the plurality of adapters~~ conforms to an industry standard.

3. (Currently Amended) The medical system of claim 1, wherein the lead connector further includes a connector ring positioned distal to the ~~array plurality~~ of lead connector elements ~~and adapted for electrical connection within the connector bore.~~

4. (Currently Amended) The medical system of claim 3, wherein the lead connector further includes a ~~set plurality~~ of sealing rings positioned distal to the ~~array plurality~~ of connector elements, a first sealing ring of the ~~set plurality of sealing rings~~ positioned proximal to the connector ring and a second sealing ring of the ~~set plurality of sealing rings~~ positioned distal to the connector ring.

5. (Currently Amended) The medical system of claim 1, wherein each ~~contact lead connector~~ element of the ~~array plurality~~ of lead ~~contact connector~~ elements includes an outwardly extending protrusion.

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6. (Currently Amended) The medical system of claim 1, wherein the first lumen of each of the plurality of adapters is and the second lumen are dimensioned to form a press fit about the array plurality of lead connector elements when the array plurality of lead connector elements in-engaged positioned within one of the first lumen and the second lumen.

Claims 7-10 (Canceled)

11. (Currently Amended) A method for coupling ~~one or more selected electrodes from an array~~ a selected one electrode of a plurality of electrodes to an IMD implantable medical device, comprising

~~selecting an adaptor from a plurality of adapters wherein each adaptor of the plurality of adapters includes one or more external conductive surfaces, an internal surface forming a lumen and including one or more contact zones; the one or more contact zones of each adaptor uniquely positioned and each of the one or more contact zones electrically coupled to a corresponding external conductive surface~~ first adapter and a second adapter, the first adapter extending from a first proximal end to a first distal end, having a first internal surface forming a first lumen to receive a lead connector positioned within the first adapter and a first electrical contact element positioned along the first inner surface at a first distance from the first proximal end for electrically coupling with a first lead connector element of a plurality of lead connector elements when the lead connector is positioned within the first lumen, the first adapter including a first insulative layer extending along the first inner surface to prevent electrical coupling of other than the first lead connector element, and a second adapter extending from a second proximal end to a second distal end, having a second internal surface forming a second lumen to receive the lead connector positioned within the second adapter and a second electrical contact element positioned along the second inner surface at a second distance from the second proximal end for electrically coupling with a second lead connector element of the plurality

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of lead connector elements other than the first lead connector element when the lead connector is positioned within the second lumen, the second adapter including a second insulative layer extending along the second inner surface to prevent electrical coupling of other than the second lead connector element, wherein the first distance is not equal to the second distance; and

~~fitting a positioning the lead connector element array into within the lumen of the selected adaptor to electrically couple one or more elements of the connector element array corresponding to the one or more selected electrodes to the one or more contact zones of the selected adaptor.~~

12. (Currently Amended) The method of claim 11, further comprising ~~fitting the lead connector element array, fitted~~ positioning the lead connector positioned within the lumen of the selected adaptor, ~~into~~ within a connector bore of the IMD implantable medical device.

Please **ADD** the following new claims:

13. (New) A system for coupling a lead connector having a plurality of lead connector elements within a connector bore of an implantable medical device, the system comprising:

a first adapter, extending from a first proximal end to a first distal end, having a first internal surface forming a first lumen to receive the lead connector positioned within the first adapter and a first electrical contact element positioned along the first inner surface at a first distance from the first proximal end for electrically coupling with a first lead connector element of the plurality of lead connector elements when the lead connector is positioned within the first lumen, the first adapter including a first insulative layer extending along the first inner surface to prevent electrical coupling of other than the first lead connector element; and

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a second adapter extending from a second proximal end to a second distal end, having a second internal surface forming a second lumen to receive the lead connector positioned within the second adapter and a second electrical contact element positioned along the second inner surface at a second distance from the second proximal end for electrically coupling with a second lead connector element of the plurality of lead connector elements other than the first lead connector element when the lead connector is positioned within the second lumen, the second adapter including a second insulative layer extending along the second inner surface to prevent electrical coupling of other than the second lead connector element, wherein the first distance is not equal to the second distance, and wherein each of the first adapter and the second adapter include a respective external surface to engage the inner surface the connector bore, the respective external surfaces including a conductive surface electrically coupled to the corresponding first and second electrical contact element to electrically engage the corresponding first and second electrical contact element within the connector bore.